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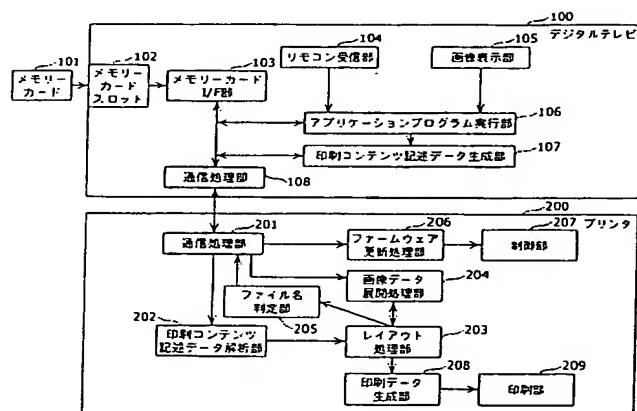
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- (51) 国際特許分類<sup>7</sup>: G06F 3/12, B41J 29/38 (71) 出願人 (米国を除く全ての指定国について): 松下電器産業株式会社 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) [JP/JP]; 〒5718501 大阪府門真市大字門真 1 0 0 6 番地 Osaka (JP).
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(54) Title: PRINTING APPARATUS, AND FIRMWARE UPDATING METHOD THEREFOR

(54) 発明の名称: 印刷装置及びそのファームウェア更新方法



101 MEMORY CARD  
102 MEMORY CARD SLOT  
103 MEMORY CARD I/F UNIT  
104 REMOTE CONTROL RECEPTION UNIT  
105 IMAGE DISPLAY UNIT  
100 DIGITAL TV SET  
106 APPLICATION PROGRAM EXECUTION UNIT  
107 PRINT CONTENTS DESCRIPTION DATA CREATION UNIT  
108 COMMUNICATION PROCESS UNIT  
201 COMMUNICATION PROCESS UNIT  
206 FIRMWARE UPDATE PROCESS UNIT  
207 CONTROL UNIT  
200 PRINTER  
205 FILE NAME JUDGEJEMENT UNIT  
204 IMAGE DATA DEVELOPMENT PROCESS UNIT  
202 PRINT CONTENTS DESCRIPTION DATA ANALYSIS UNIT  
203 LAYOUT PROCESS UNIT  
208 PRINT DATA CREATION UNIT  
209 PRINT UNIT

(57) Abstract: A printing apparatus capable of updating a firmware. The printing apparatus is connected with an external device capable of instructing the print of image data. The printing apparatus comprises acquisition means for acquiring at least one of the image data and firmware data, i.e., data necessary for updating the firmware, judgement means for judging whether the firmware is to be updated or the image data is to be printed, and execution means for updating the firmware with the firmware data acquired by the acquisition means, in case it is judged by the judgement means that the firmware is to be updated, and for printing the image data acquired by the acquisition means, in case it is judged by the judgement means that the image data is to be printed. DWARING: FIG. 3: 101 MEMORY CARD 102 MEMORY CARD SLOT 103 MEMORY CARD I/F UNIT 104 REMOTECONTROL RECEPTION UNIT 105 IMAGE DISPLAY UNIT 100 DIGITAL TV SET 106 APPLICATION PROGRAM EXECUTION UNIT 107 PRINT CONTENTS DESCRIPTION DATA CREATION UNIT 108 COMMUNICATION PROCESS UNIT 201 COMMUNICATION PROCESS UNIT 206 FIRMWARE UPDATE PROCESS UNIT 207 CONTROL UNIT 200 PRINTER 205 FILE NAME JUDGEJEMENT UNIT 204 IMAGE DATA DEVELOPMENT PROCESS UNIT 202 PRINT CONTENTS DESCRIPTION DATA ANALYSIS UNIT 203 LAYOUT PROCESS UNIT 208 PRINT DATA CREATION UNIT 209 PRINT UNIT

ATTACHMENT "E"

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